

**National Weather Service Weather Forecast Office
Milwaukee/Sullivan, WI**

During the calendar year of 2010, **46 tornadoes were documented in Wisconsin**, which makes 2010 the 2nd busiest year on record. In 2005, 62 tornadoes occurred in the Badger state.

The 45th and 46th Wisconsin tornadoes occurred on November 22nd. November tornadoes in Wisconsin, though rare, are not unheard of. Going back through the weather archives, we found that there have been a total of 7 documented tornadoes in Wisconsin in November. At least one tornado was documented in Wisconsin in November in these years...1971, 1960, 1911, 1908, 1883. Tornado documentation prior to 1950 wasn't as complete as it is today, therefore, some November tornadoes may be missing.

Five of the tornadoes in 2010 have been rated EF2, and one tornado had a path length of almost 31 miles. No one has been killed by a tornado this year, but there have been a total of 21 injured people in four of the tornadoes. In summary, there were 17 tornadoes rated as EF0, 23 rated as EF1, and 5 rated as EF2. No Wisconsin tornadoes in 2010 were rated as EF3, EF4, or EF5. Details are in the table below.

Unknown or missing information in the table below is indicated by a question mark, or left 'blank.'.

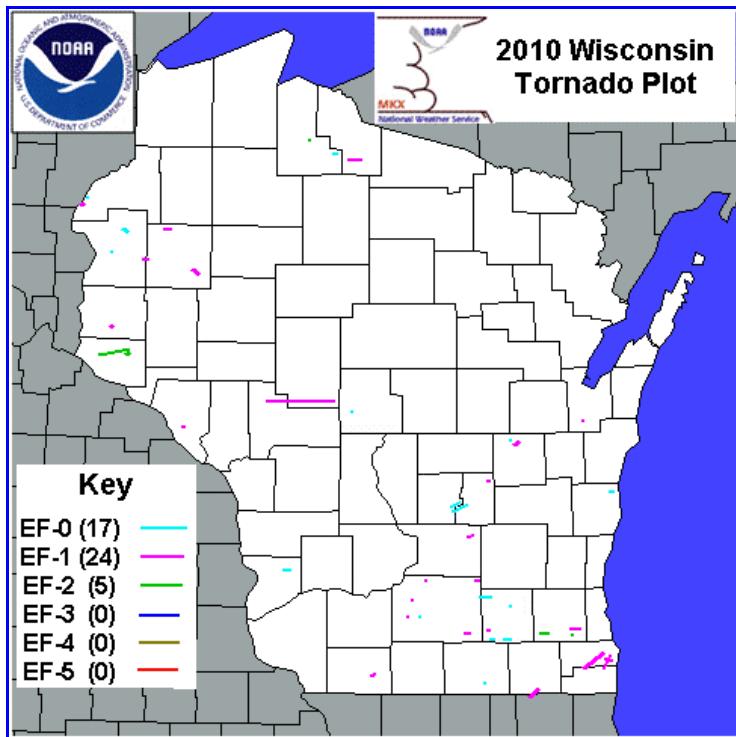
Monetary loss estimates are not available for agricultural buildings or crops associated with the June 21st tornadoes. The listed property damage amounts for the June 21st tornadoes reflect only private sector losses in residential homes and businesses, as provided by the Wisconsin Emergency Management team.

You'll want to check back with this Top News of the Day story on occasions as we obtain updated information.
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2010 Tornado Season In Review

W#	County(Isl)	Date	Time (CDT)	Dir	Location	Mag	Pl. 0.1 mi	PW yds	Deaths	Injuries	Prop Dam	Crop Dam	Avg Width	WFO CWA	Bgn Lat	Bgn Long	End Lat	End Long
1	Green Lake	4/30/2010	700 pm	NE	3.26 SSE Berlin - 702 pm 2.45 Se Berlin	EF1	2	100	0	0	130K	0	60	MKX	43.92446	-88.95000		
2	Marquette	4/30/2010	715 pm	NE	2.0 ESE Glen Oak - 724 pm 4.3 SW Princeton	EF0	8.5	50	0	0	0	30	MKX	43.72743	-89.30479	43.79568	-89.17602	
3	Marquette	4/30/2010	715 pm	NE	4.6 SE Glen Oak - 723 pm 2.0 N Marquette	EF0	7.5	50	0	0	0	35	MKX	43.71065	-89.28006	43.77502	-89.14203	
4	Winnebago	5/4/2010	710 pm	E	2.7 SE Zitzau - 712 pm 2.7 W Winchester	EF1	0.7	100	0	0	\$10K	0	75	GRB	44.195	-88.738	44.196	-88.724
5	Winnebago	5/4/2010	713 pm	ENE	2.2 SSW Winchester - 717 pm 0.8 NWN Lansen	EF0	3.4	100	0	0	\$25K	0	75	GRB	44.170	-88.687	44.191	-88.626
6	Burnett	06/17/2010	901 pm	NE	4.4 WNW Grantsburg - 905 pm 3.9 WNW Grantsburg	EF1	0.77	300	0	0	10K	0	250	DLH	45.8	-92.77	45.80	-92.75
7	Burnett	06/17/2010	905 pm	-	4 NW Grantsburg - 906 pm	EF0	0.31	200	0	0	0	0	150	DLH	45.81	-92.75	45.81	-92.76
8	Buffalo	6/17/2010	957 pm	-	E 1 W Cream - 1001 pm 1.3 E Cream	EF1	2.28	25	0	0	48K	0	25	ARX	44.31810	-91.79125	44.31705	-91.75743
9	Lafayette	6/2/2010	739 pm	ENE	4.5 SE Darlington - 745 pm 2.3 WNW Viota	EF1	2.2	75	0	0	15K	0	50	MKX	42.63768	-90.03739	42.64322	-89.98787
10	Dane	6/2/2010	741 pm	NE	0.3 NW Cross Plains - 743 pm 0.3 N Cross Plains	EF1	0.13	40	0	0	15	0	20	MKX	43.11490	-89.64795	43.11522	-89.64514
11	Jefferson	6/21/2010	815 pm	-	E 2E Busseyville - 817 pm 1.5NE Busseyville	EF1	1.3	100	0	0	620K	10K	50	MKX	42.89605	-88.98371	42.91159	-88.96458
12	Waushara	6/21/2010	911 pm	-	E 1.6 WSW Eagle - 919 pm 1.4 E Eagleville	EF2	4.8	880	0	15	20.58M	0	300	MKX	42.86736	-88.50293	42.88977	-88.39899
13	Waushara	6/21/2010	936 pm	E	2.2 H Big Bend - 948 pm 2.0E Muskego	EF1	5.8	200	0	0	430K	0	90	MKX	42.91015	-88.21483	42.91118	-88.09850
14	Crawford	6/23/2010	322 pm	-	E 3.7 SE Stew Valley - 326 pm 1.2 WSW Rolling Ground	EF0	3.66	25	0	0	5K	0	20	ARX	43.33622	-90.89356	43.32818	-90.75526
15	Racine	06/27/10	120 pm	-	E 0.8 WNW Sturtevant - 128 pm 0.4 SW Elmwood Park	EF1	4.5	100	0	1	75K	0	60	MKX	42.70306	-87.91533	42.68797	-87.82215
16	Columbia	07/07/2010	627 pm	ENE	2.5 SW Cambria - 641 pm 2.1 ESE Cambria	EF1	4.23	125	0	0	100K	5K	40	MKX	43.52275	-89.14453	43.53778	-89.11678
17	St. Croix	07/14/2010	1054 am	-	1.5 W Hammond - 1059 am 2.1 N Hammond	EF1	2.54	30	0	0	?	?	MPX	44.98	-92.4800	45.0100	-92.4500	
18	Pierce	07/14/2010	254 pm	-	E 2 W Baldwinville - 318 pm 2.4 N Olinet	EF2	15.2	100	0	0	?	?	MPX	44.77	-92.58	44.81	-92.77	
19	Pierce	07/14/2010	309 pm	-	NE 0.7 SSE El Paso - 319 pm 2.0 S Spring Valley	EF2	6.1	30	0	0	?	?	MPX	44.76	-92.35	44.82	-92.25	
20	Dunn	07/14/2010	306 pm	-	NE 0.9 ENE Downing - 307 pm 1.4 NE Downing	EF0	0.59	20	0	0	0	0	MPX	45.95	-92.08	45.06	-92.08	
21	Jackson - Clark	7/14/2010	416 pm	E	2.1 NE North Branch - 513 pm 0.7 NWN Sherwood	EF1	30.77	150	0	0	\$10K	0	80	ARX	44.47359	-90.97000	44.44092	-90.35000
22	Wood	7/14/2010	518 pm	-	E 2.5 WSW Veedum - 519 pm 2.2 WSW Veedum	EF0	0.26	50	0	0	0	0	50	GRB	44.411	-90.218	44.410	-90.213
23	Sheboygan	07/18/10	321 pm	-	E 0.8 N Howards Grove - 328 pm 0.7 SSS Haven	EF0	3.31	60	0	0	5K	0	25	MKX	43.84197	-87.82267	43.84111	-87.75621
24	Dane	07/22/10	408 pm	-	E 1.6 NW Dane - 410 pm 1.0 NNE Dane	EF1	1.53	30	0	0	1K	1K	15	MKX	43.20703	-89.52252	43.26704	-89.49317
25	Dane	07/22/10	424 pm	-	ESE 6.6 E East Bristol - 430 pm 7.3 E East Bristol	EF1	2	30	0	0	0	0	15	MKX	43.20703	-89.52252	43.26704	-89.49317
26	Dane	07/22/10	510 pm	-	ESE 3.5 SSW Waterloo - 516 pm 2.1 NW Hoopers	EF0	5.74	30	0	0	0	0	15	MKX	43.27169	-89.66688	43.26964	-89.00897
27	Jefferson	07/22/10	535 pm	-	E 1.9 SE Farmington - 536 pm 0.7 E Verona Arpt	EF0	0.1	30	0	0	0	0	10	MKX	43.13592	-89.01353	43.12089	-88.90167
28	Dane	07/22/10	602 pm	-	ESE 1.3 NNE Hamerville - 610 pm 0.6 WSW Albion	EF1	4.18	75	0	0	20K	6K	40	MKX	42.88826	-89.16181	42.87732	-89.08052
29	Jefferson	07/22/10	627 pm	-	E 2.4 SSE Lake Koshkonong - 632 pm 3.9 ESE Lake Koshkonong	EF0	2.77	75	0	0	0	0	40	MKX	42.84642	-88.91638	42.85381	-88.86265
30	Jefferson	07/22/10	638 pm	-	E 1.8 SW Cold Springs - 645 pm 1.8 N Whitewater	EF0	3.9	75	0	0	0	0	40	MKX	42.85819	-88.80070	42.85497	-88.72386
31	Dane	07/22/10	652 pm	-	E 1.75 SE Horob - 655 pm 2.0 SE Mt. Horob	EF1	1.46	75	0	0	3K	0	30	MKX	42.97497	-89.72878	42.97951	-89.70955
32	Waushara	07/22/10	702 pm	-	E 1.15 SW Big Bend - 705 pm 1.4 SE Big Bend	EF2	1	100	0	0	75K	3	50	MKX	42.86466	-88.20040	42.86569	-88.18079
33	Dane	07/22/2010	710 pm	-	E 0.2 SW Verona Arpt - 711 pm 0.1 E Verona Arpt	EF0	0.22	30	0	0	0	0	10	MKX	42.97827	-89.52267	42.98007	-89.519
34	Ashland	07/27/10	621 pm	-	0.5 NNE Morse - 624 pm 1.0 ENE Morse	EF2	0.93	650	0	0	0	0	DLH	46.23	-90.63	46.23	-90.61	
35	Ashland	07/27/10	712 pm	-	E 7.2 E Peeksville - 714 pm 9.1 E Peeksville	EF0	1.92	600	0	0	0	0	DLH	46.10	-90.38	46.10	-90.34	
36	Polk	07/27/2010	716 pm	-	E Balsam Lake - 718 pm -	EF0	0.75	200	0	0	0	0	MPX					
37	Iron	07/27/10	720 pm	-	E 5.9 NW Springfield - 726 pm 3.5 NW Springfield	EF1	4.79	660	0	3	\$0.16M	0	300	DLH	46.07659	-90.2218W	46.08089	-90.1245W
38	Polk	07/29/2010	734 pm	-	ESE 1.5 NW Turtle Lake - 737 pm 1.0 NW Turtle Lake	EF1	3	50	0	0	0	0	MPX					
39	Baron	07/29/2010	759 pm	-	SE 3.0 SSE Cameron - 804 pm 2.0 N Chebak	EF1	3.5	75	0	0	0	0	MPX					
40	Polk	08/07/2010	1140 pm	-	SE 5.1 E Luck - 1143 pm 7.3 ESE Luck	EF0	2.7	100	0	0	0	0	MPX					
41	Baron	08/07/2010	1157 pm	-	NE 4.5 NNE Cumberland - 08/08/2010 1302 pm 6 NE Cumberland	EF1	3.5	125	0	0	0	0	MPX					
42	Brown	8/20/2010	420 pm	-	ESE 2 SE Greenleaf - 422 pm 2.7 ESE Greenleaf	EF1	1.3	75	0	0	\$100K	0	50	GRB	44.297	-88.078	44.300	-88.053
43	Rock	09/21/2010	400 pm	-	E 4.2 SE Janesville Airport - 401 pm 4.3 SE Janesville Airport	EF0	0.42	30	0	0	0	0	15	MKX	42.56200	89.01098	42.56322	-89.00297
44	Kenosha	10/26/2010	747 pm	-	E 1.80 NW Somers - 753 pm 2.2 W Racine	EF1	6.35	75	0	2	?	?	50	MKX	42.66377	-87.89961	42.72845	-87.82596
45	Walworth	11/22/2010	334 pm	-	E 2.8 SSE Wakefield - 339 pm 1.8 N Zendra	EF1	5.38	100	0	0	?	?	50	MKX	42.49507	88.56948	42.53464	-88.47970
46	Kenosha	11/22/2010	401 pm	-	E 2.8 NW Pans - 415 pm 0.6 SE Franksville	EF1	11.5	150	0	0	?	?	75	MKX	42.66253	88.08841	42.75586	-87.90231

Below is a map showing the general locations of the tornadoes that occurred in Wisconsin in 2010.



Wisconsin normally has 21 tornadoes each year based on 1971-2000 data. Below is a statistical breakdown of how many tornadoes normally occur each month in the state. We round up the 20.5 to 21.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0.0	0.0	0.2	1.3	3.0	5.9	5.1	2.8	1.8	0.3	0.0	0.0	20.5

The last F5/EF5 tornado to affect Wisconsin was the Oakfield tornado on July 18, 1996. Below is a breakdown of the strength of tornadoes going back to 1982.

February is the only month with no documented tornado in Wisconsin going back to 1844. However, once again, documentation prior to 1950, especially in the 1800s, wasn't as complete as it is today. Therefore, a February tornado may have occurred, but we just can't prove it.

Below is year-by-year breakdown of Wisconsin tornadoes by strength (F-Scale/**EF-Scale**). In 1982, the NWS started to rate all tornadoes using the old F-Scale rating system.

Year	F0	F1	F2	F3	F4	F5	Total
1982	1	9	6	0	0	0	16
1983	16	10	3	1	1	0	31
1984	10	8	10	3	2	1	34
1985	3	7	6	0	0	0	16
1986	4	4	5	1	0	0	14
1987	8	8	0	0	0	0	16
1988	8	19	7	1	0	0	35
1989	9	7	1	0	0	0	17
1990	0	6	3	0	0	0	9
1991	5	3	2	0	0	0	10
1992	6	16	2	2	0	0	26
1993	27	9	1	0	0	0	37
1994	8	18	6	2	1	0	35
1995	5	2	0	0	0	0	7
1996	11	7	2	0	0	1	21
1997	6	6	2	0	0	0	14
1998	16	3	3	2	0	0	24
1999	8	2	0	0	0	0	10
2000	11	6	1	0	0	0	18
2001	7	4	0	1	0	0	12
2002	18	5	2	1	0	0	26
2003	10	4	0	0	0	0	14
2004	22	10	2	2	0	0	36
2005	43	16	2	1	0	0	62
2006	10	2	0	0	0	0	12
2007	13	3	1	1	0	0	18
2008	23	13	1	1	0	0	38
2009	11	5	0	0	0	0	16

2010	17	24	5	0	0	0	46
TOT	336	236	73	19	4	2	670

Year F0 F1 F2 F3 F4 F5

Below is a month-by-month breakdown of the number of tornadoes in Wisconsin from 2010 going back to 1844. The grand total through 2010 is 1457 documented tornadoes. Were there more tornadoes than 1457 - yes. Documentation of tornadoes in the 1800s up to about 1950 was hit or miss. Unless a tornado went right up Main Street during the daylight hours, it probably was never reported or documented..

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Totals	3	0	18	102	225	426	323	190	125	30	9	6
% Total	0.2%	0.0%	1.2%	7.0%	15.4%	29.2%	22.2%	13.0%	8.6%	2.1%	0.6%	0.4%

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